

12G-SDI FIBER OPTIC EXTENDER

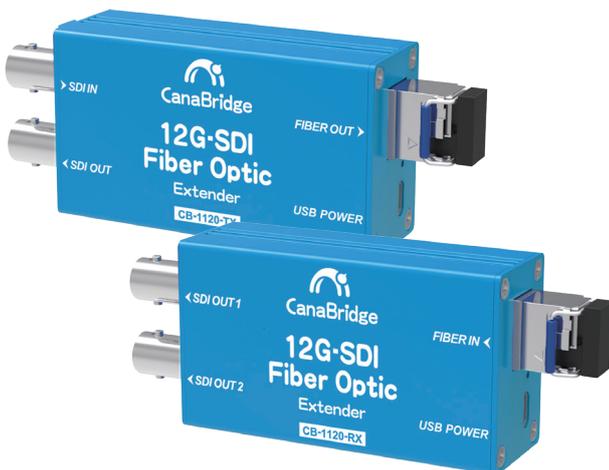
CB-1120-TX / RX

CanaBridge Fiber Optic Extender: CB-1120-TX/RX is a set of transmitter and receiver over a single-mode LC simplex fiber optic cable. This kit will offer an affordable solution that extends 12G-SDI signal with audio and metadata up to 10km. In addition, an extra SDI loop out and dual SDI outputs are available. Simplest and smartest solution for 12G/6G/3G/HD/SD-SDI applications.

- 12G/6G/3G-SDI input & loopout on transmitter
- Dual 12G-SDI outputs on receiver
- Supports up to 12G bandwidth
- SDI input automatic switching SD, HD, 3G, 6G, 12G-SDI

- 10km transmission distance
- SFP/ LC Fiber transmitter & receiver
- SDI equalization and re-clocking
- USB power supply

[Features]



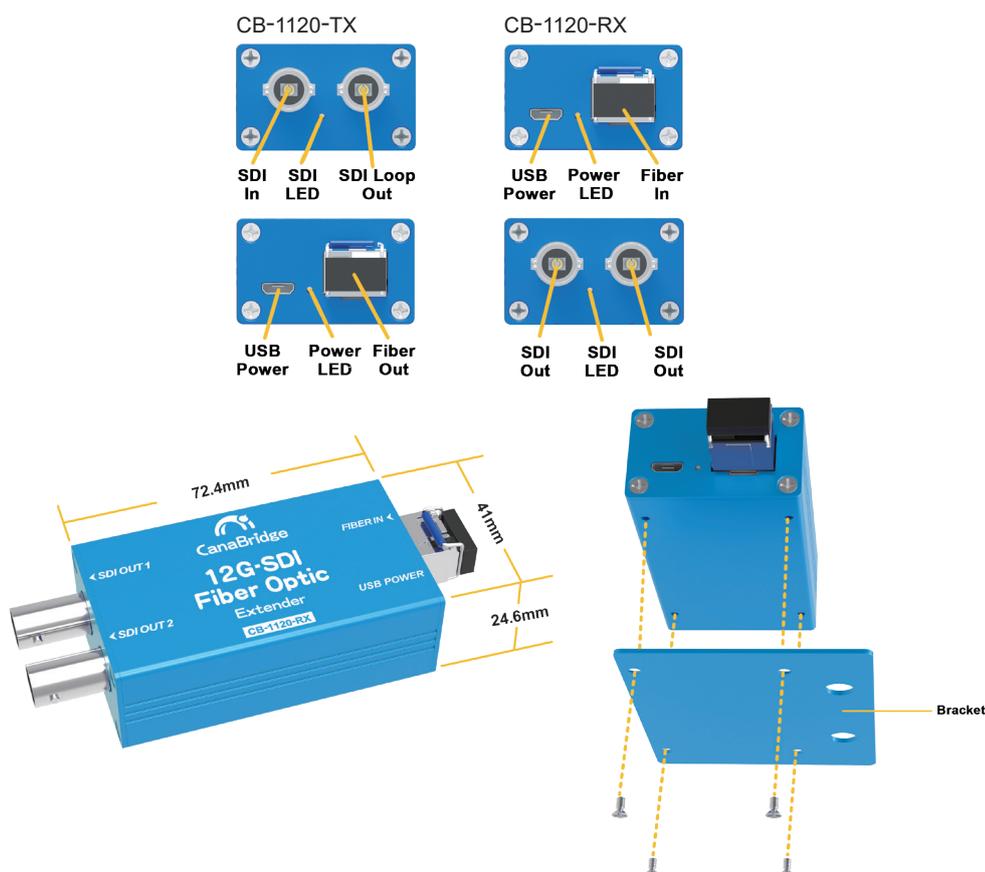
10km Transmission

The CB-1120 is a transmitter/receiver kit supporting single-mode LC simplex fiber extentions up to 10km. It is a miniture-style extension solution that supports all SDI formats resolutions up to 4K60p (Max. bandwidth: 12Gbps) with audio and metadata.

[Typical application]



[More detail]



[Parameter]

Connections	Transmitter SDI Video Input	1 × SD/HD/3G/6G/12G-SDI (75Ω BNC)	Functions and Standards	SDI Auto Switching	SD/HD/3G/6G/12G-SDI on input
	Transmitter SDI Loop Output	1 × SD/HD/3G/6G/12G-SDI (75Ω BNC)		SDI Video Rate	SD/HD/3G/6G/12G-SDI
	Transmitter Fiber Optical Output	SFP module(LC) × 1		SDI Equalization and Re-clocking	Yes
	Receiver Fiber Optical Input	SFP module(LC) × 1		SDI Audio	Supports 32/16 channels embedded
Functions and Standards	Receiver SDI Video Output	2 × SD/HD/3G/6G/12G-SDI (75Ω BNC)	Power	Power	Micro USB
	Optical Fiber Module	SFP module: Hot-pluggable		Power Consumption	2.0W (Max)
		Connector style: LC		Voltage Range	USB 3.3-5.5V
		Fiber type: single-mode	Physical Specifications	Dimension	72.4 × 41 × 24.6mm
		Optical wavelength: 1310nm		Net Weight	Transmitter: 115g, Receiver: 115g
		Max: bandwidth: 12Gbps		Gross Weight	960g
		Optical transmit power: -6~-2dBm		Environmental Specifications	Operating Temperature
		Receiver sensitivity: -10dBm (Max)	Storage Temperature		-30~70 deg C
	Single-mode Max. Distance	10km(12.5 miles) for 12G(4K60p)	Relative Humidity		0%~90% non-condensing
	SDI Standard	SMPTE ST 259, SMPTE ST 292-1, SMPTE ST 424, SMPTE ST 2081-1, ST 2082-1 DVB-ASI			

*Information in this document is subject to change without notice.

